




**MINERALS PROGRAM INSPECTION REPORT**  
**PHONE: (303) 866-3567**

The Division of Reclamation, Mining and Safety conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

<b>MINE NAME:</b> 25th Avenue Site	<b>MINE/PROSPECTING ID#:</b> M-2002-020	<b>MINERAL:</b> Sand and gravel	<b>COUNTY:</b> Weld
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Peter Hays	<b>INSP. DATE:</b> October 6, 2021	<b>INSP. TIME:</b> 13:00
<b>OPERATOR:</b> City of Greeley	<b>OPERATOR REPRESENTATIVE:</b> Adam Jokerst, William Schenderlein	<b>TYPE OF OPERATION:</b> 112c - Construction Regular Operation	
<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> None	<b>BOND AMOUNT:</b> \$0.00	
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None	
<b>WEATHER:</b> Clear	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> December 4, 2021	

**The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.**

**INSPECTION TOPIC:** Gen. Compliance With Mine Plan

**PROBLEM:** The current Mining Plan needs to be updated and clarified pursuant to C.R.S. 34-32.5-112 (1)(c)(VI). The Operator must provide sufficient information to describe or identify how the Operator intends to conduct the operation.

**CORRECTIVE ACTIONS:** The Operator shall submit a Technical Revision, with the required \$216 revision fee, to update and clarify the current approved Mining Plan to reflect existing and proposed activities by the corrective action date.

**CORRECTIVE ACTION DUE DATE:** 2/02/22

## **OBSERVATIONS**

The 25th Avenue Site was inspected by Peter Hays with the Division of Reclamation, Mining and Safety (Division/DRMS) as part of the Division's monitoring inspection program. Mr. Adam Jokerst with the City of Greeley and Mr. William Schenderlein with Blue Earth, consultant to Greeley, were present during the inspection. The site was previously inspected by the Division on December 10, 2017.

A map based on the observations from this inspection and the latest available Google Earth image is attached for reference.

The site is an 112c operation permitted for 208.23 acres. The site was inactive at the time of the inspection. The approved post-mining land use for the site is developed water resources. The site is divided into four (4) areas; Pond A, SW Pond, SE Upland Area and NE Upland Area.

### **Pond A**

The Pond A area consists of a slurry lined pond, which is an active water storage facility for the City of Greeley. The area is open for limited public access for fishing and non-water contact recreation. The area was the original permit boundary for the site before the Greeley West permit boundary was amended into the 25<sup>th</sup> Avenue Site boundary. The pond was pumped out to allow construction of the interconnection structure between Pond A and the SW Pond. The area was closed for public access while the construction was occurring.

The inlet/outlet structure approved under technical revision no. 1 was observed during the inspection and appeared to be constructed in accordance with the approved design.

### **SW Pond**

The SW Pond area was mined to create one (1) slurry lined reservoir. The area was mined as two (2) separate pond under the former Greeley West permit. The mining activities in the area are concluding. The majority of the area is mined out. The Operator is deciding where or not to excavate the remaining resource along the perimeter of the reservoir. The reservoir slopes will be reclaimed to the approved 3H:1V slope in the current state or after the remaining material is removed from the reservoir. The east, south and west slopes were rough graded at 3H:1V. The north slope needs to be graded by the Operator. The Division will require the Operator to submit a topographic survey verifying the final 3H:1V slope prior to consideration for any future final release requests.

The majority of the slurry wall was installed in April-May of this year. An interconnection structure between Pond A and the SW Pond was under construction at the time of this inspection. The structure is located in the northeast corner of the reservoir. The slurry wall will be finished once construction of the structure is complete and the area is backfilled.

As cited as a problem on Page 1, the Division will require the Operator to submit a technical revision to update the Mining and Reclamation Plans to include the interconnection structure. The Operator was aware of the requirement and stated the revision would be submitted to the Division soon. The revision has not been received as of the signature of this report.

#### SE Upland Area

The SE Area previously contained an open water pond. The Reclamation Plan states the area would be backfilled to an upland/wetland land use. The area was backfilled with waste material from the SW Pond mining operation. A small pond remains in the southeast corner of the area. The Division estimated the size of the remaining pond at 2 acres and approximately 15 feet in depth. The remaining pond area will be backfilled to an upland elevation by the Operator in the future.

A topsoil stockpile was observed in the northwest corner of the area. The volume of the stockpile did not appear sufficient to reclaim the site. The Operator was aware of the need to import additional topsoil to the site for reclamation.

#### NE Upland Area

The NE Area contains an open water pond excavated by the Operator of the Greeley West Pit. The area has remained the unchanged since being incorporated into the 25<sup>th</sup> Avenue Site permit. The Reclamation Plan states the area would be backfilled to an upland/wetland land use. A large stockpile of material is located on the south side of the pond. The stockpiled material will be used to backfill the pond to upland and wetland elevations during final reclamation of the site.

A mine sign and boundary markers were observed as required by Rule 3.1.12. No financial warranty is held for the site.

Photographs taken during the inspection are attached. If you need additional information or have any questions, please contact me at the Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, by telephone at 303.866.3567 x 8124, or by email at [peter.hays@state.co.us](mailto:peter.hays@state.co.us).

#### Inspection Contact Address

Adam Jokerst  
City of Greeley  
1100 10th St., Suite 300  
Greeley, CO 80631

Ec: Jared Ebert, DRMS  
Bill Schenderlein, Blue Earth

## PHOTOGRAPHS



View of the NE Area pond from the west shoreline looking east



View of the backfill material located on the south end of the NW Area pond





View of the remaining 2 acre pond in the SW Area from the southwest corner looking northeast



View of the SW Pond from the southeast corner looking northwest





View of the SW Pond from the north shoreline looking south



View of the interconnection structure between SW Pond and Pond A



View of the inlet/outlet structure and Pond A looking southeast

### GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- <u>N</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>N</u>	(TS) TOPSOIL----- <u>Y</u>
<b>(MP) GENL MINE PLAN COMPLIANCE- <u>PB</u></b>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(RS) RECL PLAN/COMP-- <u>N</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>N</u>	(ST) STIPULATIONS----- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</u>	(OD) OFF-SITE DAMAGE----- <u>N</u>	

Y = Inspected / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited



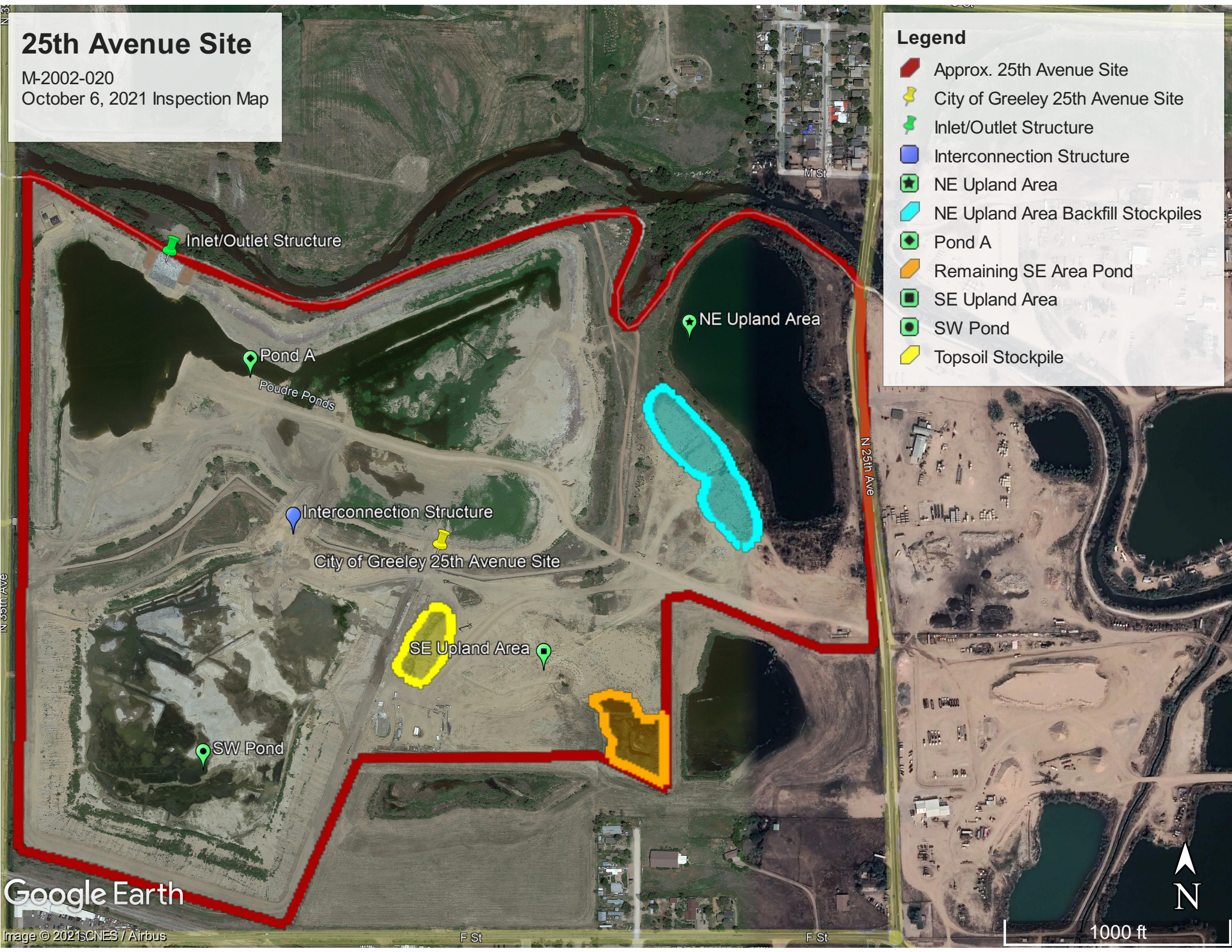
# 25th Avenue Site

M-2002-020

October 6, 2021 Inspection Map

## Legend

- Approx. 25th Avenue Site
- City of Greeley 25th Avenue Site
- Inlet/Outlet Structure
- Interconnection Structure
- NE Upland Area
- NE Upland Area Backfill Stockpiles
- Pond A
- Remaining SE Area Pond
- SE Upland Area
- SW Pond
- Topsoil Stockpile



Google Earth

Image © 2021 SCNIES / Airbus

F St

F St

1000 ft

N